USER'S MANUAL

Atmospheric Water Generators

Desktop Unit

Contact Information

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Blanca
Global Innovative Solutions

Please read this manual carefully before using the unit

USER's MANUAL

Atmospheric Water Generators

Desktop Unit

4-in-1
Multi-functional
home appliance

- Water Cooler
- Air Cleaner
- Dehumidifier
- Water Purifier

Blanca
Global Innovative Solutions

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Safety Precautions

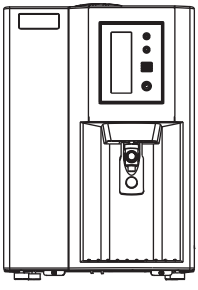
Desktop Unit - Safety Instructions

1. Check country electric power supply 230V or 115.
2. Ensure to plug into appropriate grounded socket.
3. Use socket connected to circuit breaker only.
4. DO NOT share socket with other appliances.
5. DO NOT touch power plug with wet hands.
6. DO NOT place heavy object on power cord.
7. Avoid exposure to extreme temperature or rain.
8. Place unit on hard, flat surface.
9. Place unit in an well-ventilated area.
10. Place unit 30 cm away from wall for proper air flow.
11. DO NOT place unit near inflammables.
12. DO NOT place objects on top of unit.
13. If transporting, unit keep up-right.
14. Drain water prior to moving & installing unit.
15. DO NOT modify or disassemble unit / warranty void.
16. If leak occurs, unplug unit, drain water, call Service Centre. 17. In case of electric leak, unplug, call Service Centre.
18. Using incorrect filter may cause operational failure.
19. For all operational problems, call Service Centre.
20. For Service Centre contact, refer to back of manual.

Specification

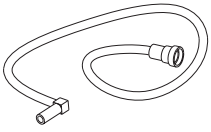
Dimension	Unit	380 (W) x 520 (D) x 560(H)mm	
	After Packing	455(W) x 580 (D) x 640 (H)mm	
Weight	Unit	39.5 Kg	
	After Packing	42 Kg	
Power	Input Power	230V 50Hz	115V 60Hz
	Power Consumption	440 W	550 W
	Electrical Current	2.35 A	
Cold Water	Cold Water	7 ~ 12 ℃	
	Mild Cold	15 ~ 20 ℃	
	Normal Temperature	20 ~ 25 ℃	
Storage Capacity	13.5 liters		

Contents



Desktop Unit

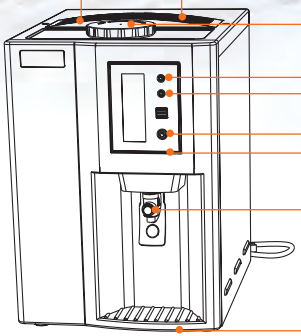
Owner's manual



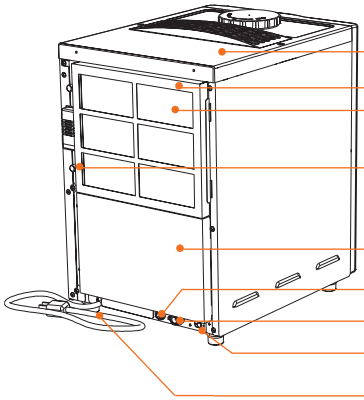
Drain hose

General Overview

Front

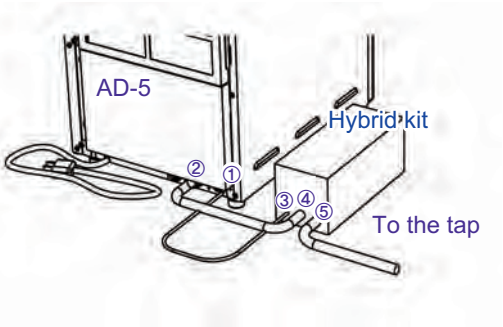


Rear



Hybrid Connection

* Connect to the tap water through only Hybrid Kit (Option)



1 : Hybrid power connection
2 : Hybrid Connection plug
3 : Hybrid power connection (Kit)
4 : Tap water out (Kit)
5 : Tap water in (Kit)

Installation & Operation

Location of installation (Indoor use only)

1. Avoid direct sunlight, exposure to rain and extreme heat or cold. (water parts may freeze or rupture)
2. Place the unit on hard, flat surface to prevent noise, leakage or shaking.
3. Place unit in an well-ventilated place.
4. For proper air flow and operation, place unit at least 30 cm away from wall.
5. To keep unit sanitary, avoid harmful gas or excessive heat.

Installation Precautions

1. Check country power supply: 230V or 115V.
2. Ensure unit is plugged into the right socket.
3. Use grounded socket ONLY.
4. Use socket with circuit breaker.
5. DO NOT share plug with other appliances.
6. DO NOT touch power socket with wet hands.
7. DO NOT place heavy object on power cord.

Operational Procedures

1. If unit has been tilted or laid down on side, do not start-up for at least 30 minutes.
2. Connect plug to socket.
3. Push Power Button for 3 seconds to start-up.
4. Do a priming process. (See image 1-1, 1-2)
5. Use Menu/Set button for desired water temperature. (see page 13)
6. Wait until unit has generated enough water to drink.

Note: Priming process for Quick Start and sanitary reason, open cap on top of unit and pour approx. 5 liters of drinkable water. (Image 1-1 , 1-2)

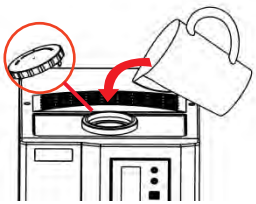


Image1–1

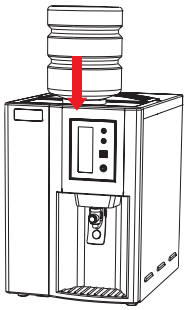


Image1–2

Maintenance

Operating Precautions

1. DO NOT place objects on-top of unit.
2. To prevent leakage DO NOT tilt unit on side.
3. Completely drain water when moving unit.
4. If leak occurs, unplug unit, drain water completely and call Service Centre.
5. DO NOT modify or disassemble unit.
6. In case of electric leak, unplug, call Service Centre.
7. Incorrect filter may cause poor operation.

Storage

1. If storing the unit for a long period of time, drain water completely.
2. Thoroughly clean unit.
3. Cover to prevent unit from dust and store in the original box if possible.

Cleaning (Top tank)

1. Unplug power cord.
2. Drain water completely.
3. Pull unit until the access to the bottom is available.
4. Use Phillips screwdriver to loosen 2 screws at the bottom side of front cover. (Image 2-1)
5. Remove the front cover.
6. Use Phillips screwdriver to loosen 2 screws on the rear side of top cover. (Image2-2)
7. Remove rubber plugs and loosen 2 screws. (Image2-2)
8. Remove top cover.
9. Use Phillips screwdriver to loosen 2 screws at the bottom side of top tank. (Image 2-3)
10. Clean inside with clean dishcloth/soft cloth.
11. DO NOT use detergent or chemical cleanser.

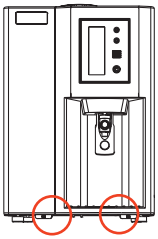


Image2-1

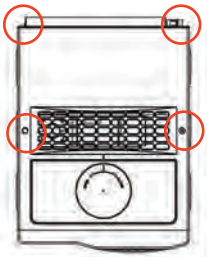


Image2-2

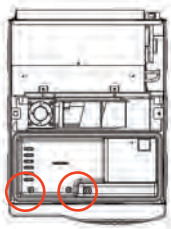


Image2-3

Cleaning (Bottom tank)

1. Use Phillips screwdriver to loosen 2 screws and remove rear panel. (Image 3-1)
2. Touch water level sensor with finger. (5 seconds) (Image 3-2)
3. Wait 2 minutes before unplugging power cord.
4. Disconnect fitting and wire from booster pump and water level sensor respectively. (Image 3-3)
5. Slide out bottom tank. (Image 3-4)
6. Clean with clean soft dishcloth.
7. DO NOT use detergent or chemical cleanser.

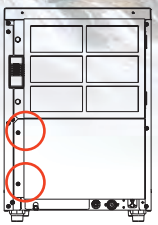


Image3-1

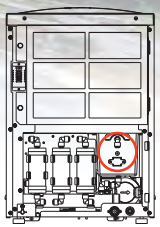


Image3-2

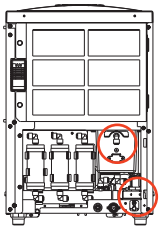


Image3-3

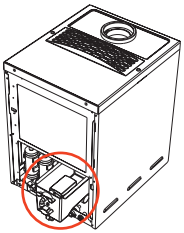


Image3-4

Cleaning (Exterior case)

Use clean dishcloth or soft cloth and mild detergent and water solution if necessary.

Filter replacement

Water filter

1. Power off and unplug the unit.
2. Remove rear cover/ Loosen 2 screws with Phillips screwdriver. (Image 3-1)
3. Carefully remove filter from filter clip. (There may be water in hose, fitting and filter) (Image 4-1)
4. Pull and remove filter while pushing the adaptor of the fitting in opposite direction. (Image 4-2)
5. Install new filter. (Place new filter in the same way)
6. After filter exchange, reset the filter replacement function by using Menu/Set button. (see page 13)

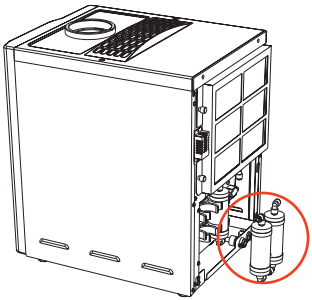


Image4-1

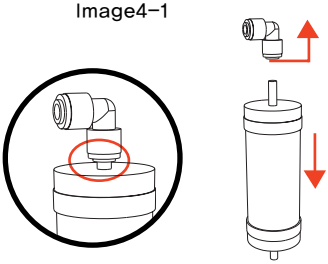


Image4-2

UV light

1. Power Off and unplug unit. Separate rear cover. (loosen & remove 2 screws with Phillips screwdriver)
2. Remove filters. (See water filter replacement)
3. Disconnect the housing of the U.V from ballast.
4. Remove U.V from U.V clip carefully.
   (There may be water in hose, fitting and U.V)
5. Pull to remove U.V while pushing the adaptor of the fitting in opposite direction.
6. Install a new U.V.
7. After U.V exchange, reset the U.V replacement function by using Menu/Set button. (see page 13)

Note: DO NOT look at UV ray with naked eyes

Air filter

1. Separate air filter bracket by loosening 2 easy screws with hand or Phillips screwdriver. (Image 5-1)
2. Remove air filter and replace with new air filter. (Image 5-2)
3. After air filter exchange, reset the air filter replacement function by using Menu/Set button. (see page 13)

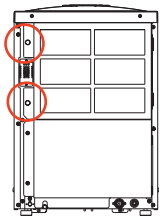


Image5-1

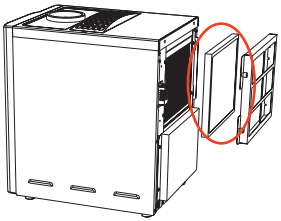


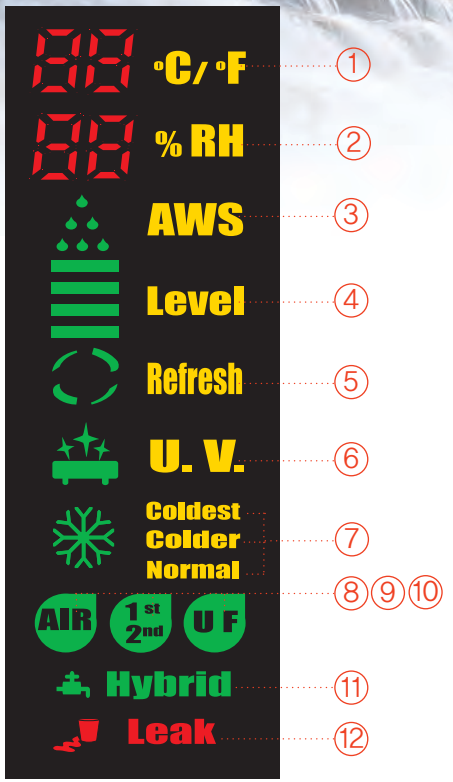
Image5-2

Water Generating Capacity

Daily Water Production in Lab (liters/day)

Temp. \ Humid.	50%	60%	70%	80%	90%
15℃	3.2	4.1	5.9	6.4	8.3
20℃	5.2	5.8	7.2	8.2	11.3
25℃	6.6	8.3	11.7	13.9	17.0
30℃	8.4	11.5	16.1	18.2	23.0

Indicator Lights



1. Temperature indicator
2. Humidity indicator
3. Generating water indicator
4. Water level indicator
5. Refresh indicator
6. U.V indicator
7. Cold water temperature indicator
8. Air filter replacement indicator
9. Water filters replacement indicator
10. U.F replacement indicator
11. Hybrid connection indicator
12. Leakage indicator

Temperature indicator

- Two digits show the current room temperature 25 °C/°F
- If temperature is not optimum to generate water, 'Lo' signal will appear Lo °C/°F

Humidity indicator

- Two digits show the current room humidity 58 % RH
- If humidity is not optimum to generate water, 'Lo' signal will appear Lo % RH

Notes: In low temperature and humidity conditions, the unit stop generating water to save energy. Both temperature and humidity indicators will show as 'Lo' signal.

Self-Error detection function

In case of error during operation 2digits on the temperature/humidity indicator show ERROR signals respectively. Turn off and unplug unit. Wait few seconds and Plug In and Turn On again. If the ERROR signal continues to light up, turn unit off and call the Service Centre

- Cold temp. sensing failure (Er / S1) Er S1
- Room temp. sensing failure (Er / S2) Er S2
- Fan motor failure (Er / Fn) Er Fn
- Control board failure (Er / Cn) Er Cn
- Pump failure (Er / BP) Er BP

Generating water indicator

- Dropping motion becomes active : Unit is now generating water
  AWS ➡ AWS ➡ AWS ➡ AWS ➡ AWS
- Icon is in hold motion : Unit is in pause cycle AWS
- No icon showing : Water generating function has stopped. AWS
  See Menu/Set button function

Water level indicator

- Shows level of water in top tank.
- If water level sensor is incorrect, text will start blinking and bars light up intermittently Level

Refresh indicator

- Icons rotating clockwise : Unit is in re-circulation cycle.
  Refresh ➡ Refresh ➡ Refresh ➡ Refresh

U.V indicator

- Replacement of U.V indicated by red text light. U. V.
  install new U.V and reset the U.V indication function by the Menu/Set button (see page 13). Yellow light text will appear U. V.
- If both the U.V icon and U.V text blink : Check if U.V. light or ballast has a problem

Notes : U.V is most important to keep water clean and pure. If both the icon and text are blinking continuously, call the Service Centre immediately.

Cold water temperature indicator

- Shows water temperature selected by Menu/Set button.
- Coldest : 7 ~ 12 Celsius degrees

- Colder : 15 ~ 20 Celsius degrees

- Normal : 20 ~ 25 Celsius degrees.

- Yellow text light turns green when cooling system is active

Air filter replacement indicator

- Air filter needs replacing when the green light turns red.

- Replace with new air filter and reset the air filter replacement indicator function by Menu/Set button (See page 13). Light will return to Green.

Water filters replacement indicator

- Water Filter needs replacing when the green light turns red.

- Replace both 1st and 2nd filters with new ones and reset the water filters replacement indicator function by Menu/Set button (See page 13). Light will return to Green.

U. F replacement indicator

- U.F replacement : Green light becomes Red.

- Replace U.F filter with new one and reset the U.F replacement indicator function by Menu/ Set button (See page 13). Light will return to Green

Hybrid connection indicator

- Icon and text shows when hybrid water connection is active
- Customer's selection by Menu/Set button(see page 13)

Note: Connect to the tap water only through Hybrid Kit (Option)
Direct connection to the tap water cause serious leakage problem.

Leakage indicator

Note: If icon and text is showing, the unit has a leak.
Turn off and unplug the unit and drain water completely.
Call Customer Service Centre immediately.

Set / Reset Button

Set/ Reset function

1. Push the menu button for 3 seconds

2. Set/Reset function is selected with blinking text as indicated by pushing the menu button for $\frac{1}{2}$ seconds in sequence, as follows;
    1) AWS : Water Generating function - **SET**
    2) U.V : U.V light self-detector function - **RESET**
    3) Cold water temperature - Coldest (7~12 ℃) -**SET**
    4) Cold water temperature - Colder (15~20 ℃) - **SET**
    5) Cold water temperature - Normal (20~25 ℃) - **SET**
    6) Air filter replacement function - **RESET**
    7) Water filters replacement function - **RESET**
    8) U.F replacement function - **RESET**
    9) Hybrid connection function - **SET**

3. When function is selected (text blinking), push set button for 3 seconds to set/ reset the working mode.

4. To clear the Set/Reset stage, push the menu button again 3 seconds or leave it for more than 5 minutes. Then Set/Reset function will return to previous stage.

Example)

1. To reset Air filter replacement after exchanging air filter.
    1) Push menu button for 3 seconds.
    2) Push menu button 5 times to go to Air filter indicator.
    3) Push the Set button for more than 3 seconds.

Note: U.V/ Air filter/ Water filters/ U.V filter replacement function must be individually reset. DO NOT reset any function without reset indicator signal.

2. Setting normal cold water temperature
    1) Push menu button for 3 seconds
    2) Push menu button 4 times to go to Normal water temperature indicator.
    3) Push the Set button for more than 3 seconds.

Trouble shooting

Water generating system-related problems.

1. Is unit connected to proper voltage socket?
2. Is humidity and temperature right to generate water ?
   (Check if temperature and humidity shows Lo signal)
3. Has air filter been changed? Is RED indicator showing?
   (Check if air filter exchange indicator shows red)
4. Is it time to change the water filters? Check indicator light.
5. Are the humidity digits showing Error?
   (Turn off/ Unplug unit. Then plug-in & Turn back on.
   If digits still show Error signal, call Service Center)
6. Is the unit installed in well-ventilated area?
7. Has a large amount of water just been consumed? Wait for unit to regenerate more water.

Noise-related problems.

1. Move the unit to hard /flat surface
2. Has any object come in contact with the unit?

Cold water temperature-related problems.

1. Is the cold water temperature set to normal / colder?
   (Set temperature to Coldest. Wait at 20 minutes, If water does not get cold call Service Centre)
2. Has there been a large amount of water consumed?
   (When approx. 1 liter of water has been taken out, the cold water becomes lukewarm. Wait for 5~10 minutes for cold)

Leakage-related problems.

1. If a leak occurs, turn off and unplug the unit.
2. Disconnect the unit from hybrid connection, if any.
3. If water valve is leaking, press it down several times.
   If it does not work, replace the valve.
4. Do the humidity digits show Er/ Bp signal?
   (Turn off/ Unplug unit. Turn unit back on.
   If leak continues, turn off/ unplug the unit and call for Service)

Warranty

Our products and accessories are warranted against natural defects in material or faulty workmanship.

One(1) year warranty on defective product. Defective parts will be replaced free of charge. Defective parts must be returned to supplier and will be exchanged (at the discretion of the manufacturer) for new or rebuilt replacement parts. Warranty does not cover cosmetic damage or damage due to acts of god, accident, misuse, abuse, negligence, or modification of, or to any part of the unit.

Warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized to service the unit.

Warranty does not cover the unit sold As-Is or With-All-Faults, or consumables as fuses or water valves.

Warranty will be determined with proof of purchase, unit lot number and date of issue. Purchase receipt must accompany returning defective unit or parts. A return authorization from your supplier must be issued prior to returning the products for repair or warranty. RA# must be displayed on outside of box.

Product name	Atmospheric Water Maker
Model number	Desktop Unit
Serial number	
Purchase date	(YYYY-MM-DD)
Customer	Address
	Name
	Phone
Address	Name
	Phone

Note: Failure to follow proper maintenance & cleaning procedures of the unit, as per the owner's manual may deem the warranty void